

SUNCOR ENERGY INC  
Form 6-K  
September 09, 2010

## FORM 6-K

# SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

### Report of Foreign Private Issuer

Pursuant to Rule 13a -16 or 15d- 16 of  
the Securities Exchange Act of 1934

For the month of: SEPTEMBER 2010

Commission File No: 1-12384

## SUNCOR ENERGY INC.

(Name of registrant)

150 - 6th Avenue S.W.

P.O. Box 2844

Calgary, Alberta

Canada T2P 3E3

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F

Form 40-F

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the SEC pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934:

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Yes  No

If Yes is marked, indicate the number assigned to the registrant in connection with Rule 12g3-2(b)

N/A

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**SUNCOR ENERGY INC.**

Date:

SEPTEMBER 8, 2010

By:

Shawn Poirier  
Shawn Poirier  
Assistant Corporate Secretary

**EXHIBIT INDEX**

<b>Exhibit</b>	<b>Description of Exhibit</b>
99.1	Press Release dated September 8, 2010 Suncor Energy reports August production, updates planned maintenance activities at oil sands facilities